

WHAT IS CLAIMED IS:

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1. In an endovascularly emplaced prosthesis for bridging an aneurysm, the improvement which comprises:
at least a supplemental graft member positioned whereby a flow path through a treated vessel is extended.
 2. An apparatus for intraluminal emplacement comprising:
a first tubular body; and
a second tubular body;
wherein each said tubular body further comprises a graft having a length and a first and at least a second end, whereby when the apparatus is disposed within a vessel of a patient, a predetermined length of the second graft body overlaps with a desired length of the first graft body.
 3. A method of intraluminal emplacement comprising:
providing a first graft body;
positioning a cuff-means for extending the first graft body within said first graft body; and
affixing said cuff-means whereby a lumen of said first graft body is extended.
 4. A method for positioning a plurality of intraluminal graft members comprising the steps of:
providing at least two intraluminal graft members comprising a tubular graft body having a length, a first end and second end, wherein said graft is circumferentially reinforced along its length by a plurality of spaced-apart wires;
providing a catheter having a proximal end;
providing an inflatable balloon;
introducing said catheter into a vessel in the body;

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causing said intraluminal graft and said inflatable balloon to be carried with said catheter until said graft and said inflatable balloon extend in the vessel from said catheter proximal end;

inflating said balloon to cause said wires to be urged into contact with the wall of the vessel;

deflating said balloon and withdrawing said balloon and said catheter from the vessel, and, repeating each of said steps for each of the additional emplacement of a desired number of said at least intraluminal graft members.

5. The method of Claim 4, further comprising the step of placing said intraluminal graft on said inflatable balloon.

6. The method of Claim 4, further comprising the step of inflating said balloon to expand said graft.

7. The method of Claim 4, further comprising the step of radially compressing said intraluminal graft about said inflatable balloon.

8. The method of Claim 4, wherein said intraluminal graft is utilized to bridge an aneurysm and said method further comprises the step of positioning said catheter in the vessel so that the proximal end of said catheter is beyond the proximal end of the aneurysm.

9. The method of Claim 4, further comprising selecting the diameter of said intraluminal graft to be substantially equal to the diameter of the vessel when it is undistended.

10. The method of Claim 4, further comprising selecting the diameter of said intraluminal graft to be slightly larger than the diameter of the vessel when it is undistended.

1 11. The method of Claim 4, further comprising the step of inflating said
2 balloon to cause said wires to be displaced radially outward to restrain said graft
3 against longitudinal movement relative to the vessel.

1 12. The method of Claim 4, wherein each said graft is circumferentially
2 reinforced along its length by a plurality of separate, spaced-apart wires.

1 13. A method for positioning an intraluminal graft to treat a region
2 of a vessel, comprising:

3 providing an intraluminal graft, into a situs wherein an emplaced graft or
4 stent exists, comprising a tubular graft body having a length, a first end and
5 second end, wherein said graft is circumferentially reinforced along its length by a
6 plurality of spaced-apart wires;

7 providing an inflatable balloon;

8 radially compressing said graft on said balloon;

9 providing a sheath catheter having a proximal end;

10 inserting said graft and balloon into the end of said sheath catheter;

11 introducing said catheter into a vessel bridged, at least partially by the
12 emplaced graft or stent in the body;

13 causing said intraluminal graft to be carried with said catheter until said
14 graft extends in the vessel from said catheter proximal end;

15 withdrawing said sheath catheter to expose said graft and span the region
16 of the vessel to be treated.

1 14. An intraluminal graft comprising:

2 a tubular graft body circumferentially reinforced along its length by a
3 plurality of wires, wherein said graft body comprises at least two layers of a
4 biocompatible material and wherein said wires are sandwiched between said
5 layers.

1 15. The intraluminal graft of Claim 5 wherein said tubular graft body is
2 circumferentially reinforced along its length by a plurality of separate wires.

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1 16. The intraluminal graft of Claim 5 wherein said biocompatible material is
2 Dacron.

1 17. The intraluminal graft of Claim 5 wherein said biocompatible material is
2 expanded PTFE.

1 18. An intraluminal graft comprising:
2 a tubular graft body having a length, a first end and second end;
3 wherein said tubular graft body is circumferentially reinforced along its length
4 by a plurality of wires which are woven throughout the fabric of the graft.

1 19. A method of manufacturing the intraluminal graft of Claim 5, comprising
2 the step of:
3 interweaving said wires with said tubular graft body during its production.

1 20. An intraluminal graft comprising a tubular graft body having a length, a
2 first end and second end, wherein said tubular graft body is circumferentially
3 reinforced along its length by a plurality of wires; and
4 wherein at least said first end of said graft body is provided with a wire
5 which has alternate apices extending beyond at least said first end of said graft
6 body to extend across the lumen of a second vessel opening into the first vessel in
7 which the graft is being placed without occluding that lumen.

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